## IN THE CLAIMS

- 1. (original) A composition for dyeing a keratinous fiber comprising:
  - a) at least one oxidation base or direct dye or a mixture thereof;
  - b) at least one compound of formula (I) :  $R-N-\left(CH\left(R^{\,\prime}\right)CO_{2}X\right)_{2} \qquad \text{(I)}$

## wherein

- R represents a hydrogen atom or a  $CH(CO_2X)$   $(CH_2)_2CO_2X$ ,  $CH_2-CH_2-OH$ ;  $CH(CH_3)-CO_2X$  or  $(CH_2)_2-N(COR")-CH_2-CO_2X$  group;
- R" represents a linear or branched alkyl group containing from 1 to 30 carbon atoms or a cyclic group containing from 3 to 30 carbon atoms;
- R' represents either a  $CH_2CO_2X$  group when R is a hydrogen atom or a hydrogen atom when R is other than a hydrogen atom; and
- X represents a hydrogen atom or a monovalent or divalent cation chosen from an alkali metal, alkaline-earth metal, transition metal, organic amine or ammonium ion,
- c) a suitable medium.
- 2. (original) The composition of claim 1, wherein said compound of formula (I) is methylglycinediacetic acid, 2-hydroxyethyliminodiacetic acid, ethylenediamine-N-lauroyl-N,N',N'-triacetic acid, iminodisuccinic acid, N,N-dicarboxymethyl-L-glutamic acid or a corresponding salt thereof, or a mixture thereof.
- 3. (original) The composition of claim 1, wherein said compound of formula (I) is methylglycinediacetic acid, ethylenediamine-N-lauroyl-N,N',N'-triacetic acid,

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N,N-dicarboxymethyl-L-glutamic acid or a corresponding salt thereof or a mixture thereof.

- 4. (original) The composition of claim 1, wherein said compound of formula (I) is methylglycinediacetic acid, optionally in a salt form.
- 5. (original) The composition of claim 1, wherein the content of said compound of formula (I) is from 0.001% to 10% by weight relative to the total weight of the composition.
- 6. (original) The composition of claim 5, wherein said content of said compound of formula (I) is from 0.001% to 5% by weight relative to the total weight of the composition.
- 7. (original) The composition of claim 1, wherein said oxidation base is a para-phenylenediamine, bis(phenyl)alkylenediamine, para-aminophenol, ortho-aminophenol or heterocyclic base, ora salt thereof with an acid or with an alkaline agent, or a mixture thereof.
- 8. (original) The composition of claim 1, wherein the content of said oxidation base is from 0.0005% to 12% by weight relative to the total weight of the composition.
- 9. (original) The composition of claim 1, further comprising at least one coupler.
- 10. (original) The composition of claim 9, wherein said coupler is meta-phenylenediamine, meta-aminophenol, meta-diphenol or heterocyclic coupler, or a salt thereof with an acid or with an alkaline agent or a mixture thereof.
- 11. (original) The composition of claim 9, wherein the content of said coupler is from 0.0001% to 10% by weight relative to the total weight of the composition.
- 12. (original) The composition of claim 1, wherein said direct dye is a nitrobenzene dye, azo dye, anthraquinone dye, naphthoquinone dye, benzoquinone dye, phenothiazine dye, indigoid dye, xanthene dye, phenanthridine dye, phthalocyanin dye or a dye derived from triarylmethane or a mixture thereof.

- 13. (original) The composition of claim 1, wherein the content of said direct dye is from 0.0005% to 12% by weight relative to the total weight of the composition.
- 14. (original) The composition of claim 1, wherein said suitable medium is an aqueous medium.
- 15. (original) The composition of claim 14, wherein said aqueous medium comprises water and optionally at least one cosmetically acceptable organic solvent.
- 16. (original) The composition of claim 15, wherein said cosmetically acceptable organic solvent is a linear or branched, saturated or unsaturated, monoalcohol or diol containing from 2 to 10 carbon atoms, an aromatic alcohol, glycol or glycol ether, diethylene glycol alkyl ether or a mixture thereof.
- 17. (original) The composition of claim 14, wherein the content of said cosmetically acceptable organic solvent is from 0.5% to 20% by weight relative to the total weight of the composition.
- 18. (original) The composition of claim 1, further comprising a conditioning polymer.
- 19. (original) The composition of claim 18, wherein said conditioning polymer is a cationic or amphoteric conditioning polymer or a mixture thereof.
- 20. (original) The composition of claim 18, wherein the content of said conditioning polymer is from 0.01% to 10% by weight relative to the total weight of the composition.
- 21. (original) The composition of claim 1, further comprising at least one surfactant.
- 22. (original) The composition of claim 21, wherein said at least one surfactant is nonionic, anionic, cationic, amphoteric or zwitterionic surfactant or a mixture thereof.
- 23. (original) The composition of claim 21, wherein the content of said surfactant is from 0.01% to 40% by weight relative to the total weight of the composition.

- 24. (original) The composition of claim 1, further comprising at least one amphiphilic polymer with a hydrophobic chain.
- 25. (original) The composition of claim 24, wherein said amphiphilic polymer with said hydrophobic chain is a nonionic, anionic, cationic or amphoteric polymer with a hydrophobic chain.
- 26. (original) The composition of claim 24, wherein the content of said amphiphilic polymer with said hydrophobic chain is from 0.005% to 20% by weight relative to the total weight of the composition.
- 27. (original) The composition as in claim 1, further comprising at least one thickener.
- 28. (original) The composition of claim 27, wherein said thickener is a water-soluble thickening polymer not containing a hydrophobic chain.
- 29. (original) The composition of claim 27, wherein the content of said thickener is from 0.05% to 20% by weight relative to the total weight of the composition.
- 30. (original) The composition of claim 1, further comprising at least one acidifying or basifying agent.
- 31. (original) The composition of claim 30, wherein the content of said acidifying or said basifying agent is from 0.01% to 30% by weight relative to the total weight of the composition.
- 32. (original) The composition of claim 1, further comprising at least one material selected from the group consisting of a coupler, conditioning polymer, surfactant, amphiphilic polymer with a hydrophobic chain, thickener, acidifying agent and basifying agent.
- 33. (original) The composition of claim 32, wherein said coupler is a meta-phenylenediamine, meta-aminophenol, meta-diphenol or heterocylic coupler or a salt thereof with an acid

or with an alkaline agent, or a mixture thereof, and is provided with an amount of from 0.0001% to 10% by weight relative to the total weight of the composition.

- 34. (original) The composition of claim 32, wherein said conditioning polymer is a cationic or amphoteric conditioning polymer or a mixture thereof, and is provided with an amount of from 0.01% to 10% by weight relative to the total weight of the composition.
- 35. (original) The composition of claim 32, wherein said surfactant is a nonionic, anionic, cationic, amphoteric or zwitterionic surfactant or a mixture thereof, and is provided with an amount of from 0.01% to 40% by weight relative to the total weight of the composition.
- 36. (original) The composition of claim 32, wherein said amphiphilic polymer with a hydrophobic chain is a nonionic, anionic, cationic or amphoteric polymer with a hydrophobic chain, and is provided in an amount of from 0.005% to 20% by weight relative to the total weight of the composition.
- 37. (original) The composition of claim 32, wherein said thickener is a water-soluble thickening polymer not containing a hydrophobic chain, and is provided in an amount of from 0.05% to 20% by weight relative to the total weight of the composition.
- 38. (original) The composition of claim 32, wherein the content of said acidifying agent or said basifying agent is from 0.01% to 30% by weight relative to the total weight of the composition.
- 39. (original) The composition as in claim 1 or 32, wherein said composition is in the form of liquid, cream, gel or paste.
  - 40. (original) A ready-to-use composition comprising:
    - a) the composition as in claim 1 or 32, and

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- b) at least one oxidizing composition comprising at least one oxidizing agent in a medium suitable for dyeing.
- 41. (original) The ready-to-use composition of claim 40, wherein said oxidizing agent is hydrogen peroxide, urea peroxide, alkali metal bromate, persalt, peracids, and enzyme, or a mixture thereof.
- 42. (original) The ready-to-use composition of claim 41, wherein said persalt is perborate, percarbonate or persulphate.
- 43. (original) The ready-to-use composition of claim 41, wherein said enzyme is peroxidase, or two electron or four electron oxidoreductase.
- 44. (original) The ready-to-use composition of claim 40, wherein the content of said oxidizing agent is from 0.1% to 30% by weight relative to the weight of the oxidizing composition.
- 45. (original) A process for dyeing a keratinous fiber comprising:
  - a) mixing said composition as in claim 1 or 32 and optionally an oxidizing composition comprising at least one oxidizing agent in a medium suitable for dyeing;
  - b) applying said mixed composition to said keratinous fiber shortly after mixing;
  - c) leaving said mixed composition on said keratinous fiber for sufficient time to obtain a desired coloration;
  - d) rinsing said keratinous fiber to remove said mixed composition from said keratinous fiber;
  - e) optionally washing and rinsing said keratinous fiber; and
  - f) optionally drying said keratinous fiber.
- 46. (original) A device for dyeing keratinous fiber comprising:

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a) at least two compartments, wherein

- one of said at least two compartments comprises said composition as in claim 1 or 32, and
- another one of said at least two compartments comprises an oxidizing composition comprising at least one oxidizing agent in a medium that is suitable for dyeing.